

Patent claims

1. Protective pants, characterized in that they are configured such that virtually no fluid can escape from them.
2. The protective pants as claimed in patent claim 1, characterized in that they have a basic body (1), of which the shape corresponds to the shape of the basic body of ordinary underpants, in that the basic pants body (1) comprises an outer part (21) and an inner part (22) which are of essentially identical design, in that the inner part (22) is arranged in the interior of the outer part (21), and in that these parts (21, 22) are connected to one another in the regions of the waist (9) and of the leg openings (3, 4) of the protective pants.
3. The protective pants as claimed in patent claim 2, characterized in that the respective part (21; 22) of the basic pants body (1) comprises two mutually opposite side parts (7, 8) and a central part (10) arranged therebetween, in that the side parts (7, 8) have a first border portion which is located in the waist region (2) of the pants, in that extending away from the ends of said border portion is in each case one further border portion (15, 16) of the respective side part (7, 8), and in that the central part (10), which is located between said border portions (15, 16), has longitudinal edges via which said central part is connected to the border portions (15, 16) of the side parts (7, 8).
4. The protective pants as claimed in patent claim 3, characterized in that the central part (10) runs through the crotch region of the protective pants, in that the transverse edges (13), which are located at the free ends of the central-part section (11, 12), are likewise located in the waist region of the protective pants, in that one of these end edges (13) is located at the front of the waist region and the other end edge (13) is located at the rear of the waist region, in

that the respective end edge (13) of the central part (10) is located between those border portions of the side parts (7, 8) which are likewise located in the waist region, and in that the top border (9), put 5 together in this way, of the basic pants body (1) is connected to a waistband (2).

5. The protective pants as claimed in patent claim 4, characterized in that the central part (10) is made up of two elongate sections (11, 12) arranged one 10 behind the other, in that said sections (11, 12) are of different lengths, in that the central-part section (11), which is located on the front side of the protective pants, is shorter than the central-part section (12), which is located predominantly in the 15 rear region of the protective pants, in that an inner connecting location (14) is provided between the sections (11, 12), where the central-part sections (11, 12) are connected to one another, and in that said inner connecting location (14) is located in the front 20 region of the protective pants.

6. The protective pants as claimed in patent claim 5, characterized in that sealing strips (23) are provided, in that a first group of these strips (23) covers over those seams (14, 15, 16) at which two 25 constituent parts (10; 11, 12) of the inner pants (22) meet, and in that said strips (23) are arranged on the outer side of the inner pants (22).

7. The protective pants as claimed in patent claim 5, characterized in that the peripheral contour of the 30 central part (10) of the outer pants (21) and of the inner pants (22) is essentially in the form of the outline of an hourglass, in that the outer contour of the central part (10) has a narrowest location (25), which is located directly in the crotch region of the 35 protective pants, in that the respective end portion of said narrowest location (25) is adjoined by widened sections (26, 27) of said contour of the central part (10), in that in each case one of the transverse or end edges of the central part (10) is located at the end of

the respective wide section (26, 27), and in that the longitudinal edges (15, 16) extend between said end edges of the central part (10).

8. The protective pants as claimed in patent claim 5, characterized in that that side of the central part (10) of the inner pants (22) which is directed toward the body has means (30) for securing elongate liners (31, 32) located one above the other, in that the first part of the retaining means (30), which is designed for 10 accommodating the first liner (31), is configured as an elongate compartment, the longitudinal direction of said compartment coinciding with the longitudinal direction of the central part (10), in that said compartment is formed by an upper wall (33) which rests 15 on the top side or inner side, inter alia, of the central portion (25) of the central part (10), and in that the end portions of said upper wall (33) are located in the region of the wide portions (26, 27) of the central part (10).

20 9. The protective pants as claimed in patent claim 8, characterized in that the profile of the longitudinal borders of the upper wall (33) corresponds to the profile of the edges (15, 16) of the central part (10), in that said borders of the upper wall (33) 25 are connected to the material of the central part (10) of the inner pants (22), in that the end edge (34) of the upper wall (33), said end edge being located in the rear region of the protective pants and running transversely to the longitudinal direction of the 30 central part (10), is connected to the material of the central part (10), and in that the front edge (35) of the upper wall (33), said front edge being located in the front region of the protective pants, is not connected to the central part (10).

35 10. The protective pants as claimed in patent claim 8, characterized in that provided for the purpose of securing the second liner (32) are pockets (36, 37) which are intended and designed for accommodating the end portions of the second liner (32), in that said

pockets are provided on the upper wall (33) of the compartment, and in that in each case one of these pockets (36; 37) is located in one of the end regions of the upper wall (33) of the compartment, where the
5 respective pocket is fastened.

11. The protective pants as claimed in patent claim 5, characterized in that sealing strips (23) of a second group are located in the region of the pants legs (3, 4), to be precise between the outer pants (21)
10 and the inner pants (22), where they seal those locations of the protective pants at which the borders of the outer pants (21) and of the inner pants (22) rest one upon the other.

12. A method of producing the protective pants as claimed in patent claim 1, characterized in that the outer part (21) and the inner part (22) of the basic body (1) of the protective pants are produced separately from one another, in that the inner part (22) is then positioned in the outer part (21), and in
20 that said parts (21, 22) are connected together in the regions of the pants waistband (2) and of the pants-leg openings (3, 4).